Index of Claims

Application/Control No.

10/616,101

Examiner Manjunath Rao Applicant(s)/Patent under Reexamination

LUO ET AL. Art Unit

1652

|  | / | Rejected |
|--|---|----------|
|  | = | Allowed  |

|   | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | Claim Date |                           | ]        | Claim |          | Date         |          |              |          |                    |          |                         | Cla      | Date            |   |         |          |                 |          |          |          |     |       |            |          |          |          |          |          |                 |                 |              |                 |
|----------|------------|---------------------------|----------|-------|----------|--------------|----------|--------------|----------|--------------------|----------|-------------------------|----------|-----------------|---|---------|----------|-----------------|----------|----------|----------|-----|-------|------------|----------|----------|----------|----------|----------|-----------------|-----------------|--------------|-----------------|
| Final    | Original   | 5/2/2                     |          |       |          |              |          |              |          |                    | 4        | Final                   | Original |                 |   |         |          |                 |          |          |          |     | Final | Original   |          |          |          |          |          |                 |                 |              |                 |
|          | 1          | <u> </u>                  | ┢        | Н     |          | T            | T        | Ť            | T        | $\top$             | ۱.,      |                         | 51       | $\Box$          |   | 1-      | 1        |                 |          |          | 7        |     |       | 101        | П        |          |          |          | П        | М               | П               | $\neg$       |                 |
|          | 2          |                           |          |       |          |              |          |              |          | T                  | ]        |                         | 52       |                 |   |         |          |                 |          |          |          |     |       | 102        |          |          |          |          |          |                 | П               |              |                 |
|          | 3          |                           |          | •     |          |              |          |              |          |                    | ];;;;    |                         | 53       |                 |   |         |          |                 |          |          |          |     |       | 103        |          |          |          |          |          |                 | $\Box$          |              |                 |
|          | 4          | L                         |          |       | <u> </u> | ㄴ            | _        | $\perp$      | 4        | 4                  | 1        |                         | 54       | Ш               |   | 4_      | _        |                 | 4        | 1        | 4        |     |       | 104        |          |          |          |          | Ш        | Ш               | Ш               | لـــا        |                 |
|          | 5          | 1_                        |          | _     | _        | ļ.           | ╄        | +            | 4        |                    | ]        | <b></b>                 | 55       |                 | _   |         | <u> </u> |                 | 4        | _ _      | 4        |     |       | 105        |          |          |          |          |          | Ш               | Ш               | $oxed{oxed}$ |                 |
|          | 6          | -                         |          | _     | ļ        | <u> </u>     | ┼-       | +            | +        | +-                 | -        | <b></b> _               | 56       | $\vdash \vdash$ | -   | +       |          | $\vdash$        |          | -        | 4        |     |       | 106        | _        | $\Box$   | _        | _        | $\vdash$ | Ш               | $\vdash$        | _            |                 |
|          | 7<br>8     | H                         | $\vdash$ | _     | <u> </u> | -            | ╀        | ╀            | +        | +                  | 1,       | <b> </b>                | 57<br>58 | $\vdash \vdash$ | -   |         |          | $\vdash$        | -        | -        | 4        |     |       | 107<br>108 | $\vdash$ |          |          |          | H        | ┟┷┥             | $\vdash \vdash$ | $\dashv$     |                 |
| <b></b>  | 9          | $\vdash$                  |          | _     | ⊢        | -            | ╁        | +            | ╁        | +-                 | 1        |                         | 59       | $\vdash$        |   | -       | ┢        | $\vdash$        | -        | +        | 4        |     |       | 109        |          | -1       |          |          | H        | ⊣               | $\vdash$        | $\dashv$     | $\vdash$        |
|          | 10         | H                         |          |       | $\vdash$ | ├─           | ┢        | +            | +        | +-                 | -        |                         | 60       |                 | +   | ╁       | ⊢        | Н               | -        | -        | ᅱ        | ŀ   |       | 110        | $\vdash$ | $\vdash$ |          | _        | Н        | Н               | $\vdash$        | $\dashv$     | Н               |
|          | 11         | Н                         |          |       | -        | $\vdash$     | ┢        | $^{+}$       | ╁        | +-                 | 1: 1     |                         | 61       | H               | +   | +       | ╁┈       | Н               | -+       |          | ┥        | :   |       | 111        |          | $\neg$   | Н        |          | Н        | H               | $\vdash$        |              | $\vdash$        |
|          | 12         | Н                         |          |       | ऻ        | $\vdash$     | $\vdash$ | $^{\dagger}$ | $\top$   | $\top$             | 1        | $\Box$                  | 62       | $\vdash$        | $\dashv$  | +       | $\vdash$ | $\vdash$        | $\dashv$ | $\dashv$ | ┨        | 1   |       | 112        | $\vdash$ | -        | $\vdash$ |          | $\vdash$ | ┟─┤             | $\vdash$        | $\dashv$     | $\vdash$        |
|          | 13         | П                         |          |       |          | Г            | T        | $\top$       | $\top$   | 1                  | 1        |                         | 63       | $\sqcap$        | $\top$  | $\top$  | $\vdash$ | $\Box$          | 寸        | +        | 7        |     |       | 113        |          |          | $\vdash$ | -        | Н        | H               | $\sqcap$        | $\neg$       | Н               |
|          | 14         |                           |          |       |          |              | L        | Ι            |          |                    | السنة ال |                         | 64       |                 |   |         |          |                 | _†       |          |          |     |       | 114        |          |          |          |          |          |                 |                 |              |                 |
|          | 15         |                           |          |       |          |              |          |              |          |                    | ]        |                         | 65       |                 |   |         |          |                 | $\Box$   |          |          |     |       | 115        |          |          |          |          |          |                 |                 |              |                 |
|          | 16         |                           |          |       | L        | _            | <u> </u> | L            | _        |                    |          |                         | 66       |                 |   |         | L        |                 |          |          |          |     |       | 116        |          |          |          |          |          |                 |                 |              |                 |
|          | 17         |                           |          |       | L.       |              | _        | ┸            | $\perp$  |                    |          |                         | 67       |                 |   |         | 上        |                 | _        | $\perp$  | _        |     |       | 117        |          |          |          |          | Ш        | Ш               | Ш               |              |                 |
|          | 18         |                           |          |       | L        | _            | ┡        | ╄            | $\bot$   | _                  |          | <b></b>                 | 68       |                 | _   |         | _        |                 | _        |          | _        |     |       | 118        |          |          |          |          | Ш        | Ш               | Ш               |              | Ш               |
|          | 19         | -                         |          |       | L        | <u> </u>     | ╄        | ╄            |          |                    | -        | $\perp \perp \parallel$ | 69       | $\vdash$        | +   | +       | ŀ        | Н               | -        | _        | 4        |     |       | 119        |          |          |          |          | Ш        | Ш               | Ш               | 4            | Щ               |
|          | 20         | -                         |          |       | _        | ⊢            | ⊢        | ╀            | +        | +                  |          | <b></b>                 | 70       |                 | +   | -       | ⊢        | $\vdash$        |          | -        | 4        |     |       | 120        |          |          |          |          |          | $\vdash \vdash$ | $\vdash \vdash$ | _            | Ш               |
|          | 21<br>22   | Н                         |          |       |          | ├            | ╀        | ╀            | +        | +                  | -        |                         | 71<br>72 | $\dashv$        | +   | +       | ⊢        | $\vdash$        | $\dashv$ | +        |          | 1   |       | 121        |          |          |          |          | Н        | Н               | $\dashv$        |              | Щ               |
| $\vdash$ | 23         | Н                         | -        |       | -        | -            | ╁╾       | ╁            | ╁        | ╁                  | -        |                         | 73       | $\dashv$        | +   | +       | H        | Н               | $\dashv$ | -        | 4        | ·   |       | 122<br>123 |          |          | -        | _        | $\vdash$ | Н               | $\dashv$        | $\dashv$     | $\vdash \vdash$ |
|          | 24         | $\vdash$                  |          | _     | -        | -            | H        | ╁            | +        | +                  | -        |                         | 74       | $\dashv$        | +   | +       | ├        | $\vdash$        | $\dashv$ | +        | -{       | 1   |       | 124        | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\vdash$ | -               | $\dashv$        | $\dashv$     | $\vdash$        |
|          | 25         |                           |          |       | ┢        | <del> </del> | ╁        | ╁            | +        | +                  | 1        |                         | 75       | $\vdash$        |   | ╁       | ╁        | $\vdash$        | -        | $\dashv$ | ╣.       | ŀ   |       | 125        |          | $\dashv$ | $\dashv$ |          | -        | $\vdash$        | $\dashv$        | $\dashv$     | $\dashv$        |
|          | 26         | •                         |          | _     |          | ├            | ┼─       | 十            | +        | 十                  | ١.       |                         | 76       | $\vdash$        | $\dashv$  | +       | $\vdash$ | H               | $\dashv$ | $\dashv$ | -        | ,   |       | 126        |          | $\dashv$ | -        | -        |          | $\vdash$        | $\dashv$        | $\dashv$     | $\dashv$        |
|          | 27         | H                         |          |       | T        | 1            | ✝        | $^{\dagger}$ | $\top$   | +                  | 1        |                         | 77       | $\top$          | $\dashv$  | +       | 一        | $\vdash$        | _        |          | 7        |     |       | 127        | $\vdash$ | $\dashv$ |          |          |          | $\dashv$        | $\exists$       | $\dashv$     | $\neg$          |
|          | 28         |                           |          |       |          |              | T        | t            | $\top$   | ┪                  |          |                         | 78       | $\Box$          | _   |         |          | П               | $\dashv$ | $\top$   | 1        |     |       | 128        |          | _        |          |          |          | $\Box$          |                 | 一            | $\dashv$        |
|          | 29         |                           |          |       |          |              | Τ        | Τ            | 1        | 1                  |          |                         | 79       |                 | $\top$  |         |          |                 | $\neg$   | $\top$   |          |     | _     | 129        |          |          | $\neg$   |          | $\Box$   | $\Box$          |                 | $\dashv$     | $\neg$          |
|          | 30         |                           |          |       |          |              |          | 1            |          |                    |          |                         | 80       |                 |   |         |          | $\Box$          |          |          | _        |     |       | 130        |          | 丁        |          |          |          | П               | $\Box$          |              | $\neg$          |
|          | 31         |                           |          |       | ,        |              |          |              |          |                    | 1        |                         | 81       |                 |   |         |          |                 |          |          |          |     |       | 131        |          |          |          |          |          |                 |                 |              |                 |
|          | 32         | Ш                         |          |       | _        |              | L        | 丄            | ⊥.       |                    |          |                         | 82       |                 |   |         | L        |                 |          |          |          |     |       | 132        |          |          |          |          |          |                 |                 | $\Box$       |                 |
|          | 33         | Ш                         |          |       |          |              | ╙        | $\perp$      | $\perp$  | $\perp$            |          |                         | 83       | $\perp$         | _   |         | _        |                 |          |          |          |     |       | 133        |          |          |          |          |          |                 | Ш               |              | Ш               |
|          | 34         | Н                         | -        |       | _        | ļ            | ├_       | ╀            | _        | _                  | 1.5      |                         | 84       |                 | _   | ┷       | L        | $\dashv$        | _        | 4        | _        |     |       | 134        |          | _        |          |          | Ш        | Ш               | $\dashv$        |              | Ш               |
|          | 35         |                           | $\dashv$ |       | _        | <u> </u>     | ╀        | ╀            | ╀        | -                  |          |                         | 85       | -               | -   | +-      | ļ        | $\dashv$        | -        | -        | _        |     |       | 135        | _        |          |          | _        | Щ        | Ш               | $\vdash$        |              | _               |
|          | 36<br>37   |                           | $\dashv$ |       | _        | ⊢            | ⊢        | +            | ┿        |                    |          |                         | 86<br>87 |                 |   |         |          | $\vdash$        | $\dashv$ | -        | 4        | Ng. |       | 136        |          |          | _        |          | Н        | ┝╌┤             | $\vdash$        | _            | Щ               |
|          | 38         | ۲                         | -        |       | <u> </u> | _            | ╁        | ╀            | +        | ╁                  | 1 1      |                         | 88       | $\dashv$        |   |         | ┢        | -               | $\dashv$ | $\dashv$ | 4        | -   |       | 137        |          |          |          | _        | $\vdash$ | $\vdash$        | $\dashv$        | $\dashv$     | -               |
| $\vdash$ | 39         | H                         | $\dashv$ |       | -        | _            | $\vdash$ | +            | +        | +                  | 1        |                         | 89       | $\dashv$        | +   | +       | -        | $\vdash$        | +        | +        | 4:       |     |       | 138<br>139 | -        | $\dashv$ | $\dashv$ |          | Н        |                 | Н               | $\dashv$     | H               |
|          | 40         | H                         | ᅱ        |       | Η-       | -            | $\vdash$ | +            | +        | +                  | 1        |                         | 90       | $\dashv$        | +   | +-      | $\vdash$ | $\vdash$        | $\dashv$ | +        | $\dashv$ |     |       | 140        | $\dashv$ | $\dashv$ | -        | _        | Н        | ┌─┤             | $\vdash$        | $\dashv$     | Н               |
|          | 41         | $\dagger \dagger \dagger$ | $\dashv$ |       | -        | <u> </u>     | -        | +            | +        | +                  | Lost.    |                         | 91       | +               | +   | +-      | $\vdash$ | $\vdash \vdash$ | $\dashv$ | +        | -        |     |       | 141        | $\dashv$ | -        | $\vdash$ | -        | $\vdash$ |                 | $\vdash$        | $\dashv$     | $\vdash\vdash$  |
|          | 42         | T                         | $\neg$   |       |          | $\vdash$     | T        | t            | +        | +                  |          |                         | 92       | $\dashv$        | +   | +-      |          |                 | $\dashv$ | +        | -        | 16  | -     | 142        | $\vdash$ | $\dashv$ |          |          |          | Н               | $\vdash$        | $\dashv$     | Н               |
|          | 43         | П                         | $\neg$   |       |          | Τ            | T        | T            | +        | $\top$             |          |                         | 93       | $\dashv$        | $\top$  | 1       | $\vdash$ | $\Box$          | 十        | $\dashv$ | 7        |     |       | 143        | $\vdash$ |          | $\vdash$ |          | П        | $\vdash$        | $\sqcap$        | $\dashv$     | $\Box$          |
|          | 44         |                           |          | _     |          |              | Γ        | T            | T        |                    | 5        |                         | 94       |                 | 十   | 1-      |          |                 | $\dashv$ | $\dashv$ | 7        |     |       | 144        |          |          |          | _        | П        | $\sqcap$        | 7               | $\dashv$     | $\sqcap$        |
|          | 45         | 7                         |          |       |          |              | Γ        | Ι            | Ι        | $\perp$            | ]        |                         | 95       |                 | ↥   |         |          |                 | 丁        | $\Box$   | 7        |     |       | 145        |          | 一        |          |          | П        | П               |                 | $\dashv$     | $\Box$          |
|          | 46         | $\prod$                   |          |       |          |              |          | Γ            | Ι        | Ι                  | ]        |                         | 96       |                 | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | Ι       |          |                 |          |          |          |     |       | 146        |          |          |          |          |          |                 |                 | $\exists$    |                 |
| L        | 47         | Щ                         | [        |       |          |              | L        | L            | $\perp$  | $oldsymbol{\perp}$ |          |                         | 97       | $\Box$          | $oxed{\Box}$                                      |         |          |                 |          |          |          |     |       | 147        |          |          |          |          |          |                 |                 |              |                 |
|          | 48         | 7                         |          |       |          | _            |          | L            | <u> </u> | 1                  | ] [      |                         | 98       | ot              |   | 1       |          |                 | $\Box$   | $\perp$  | ]        |     |       | 148        |          | $\Box$   |          |          |          |                 |                 |              |                 |
|          | 49         | $\sqcup$                  | _        | _     |          | L            | L        | <b> </b> -   | 4        | $\bot$             | 1 1      |                         | 99       | _               |   | $\perp$ |          | Щ               | $\perp$  | $\perp$  | _[       | [   | ]     | 149        |          |          | _]       | _        |          | Ш               | $\Box$          | [            |                 |
| لا       | 50         | $\sqcup$                  |          |       |          | L            |          |              | 上        |                    | J        |                         | 100      |                 |   |         |          |                 | _ 1      |          | _]·      | · [ |       | 150        |          |          |          |          |          |                 | 1               |              | . 1             |